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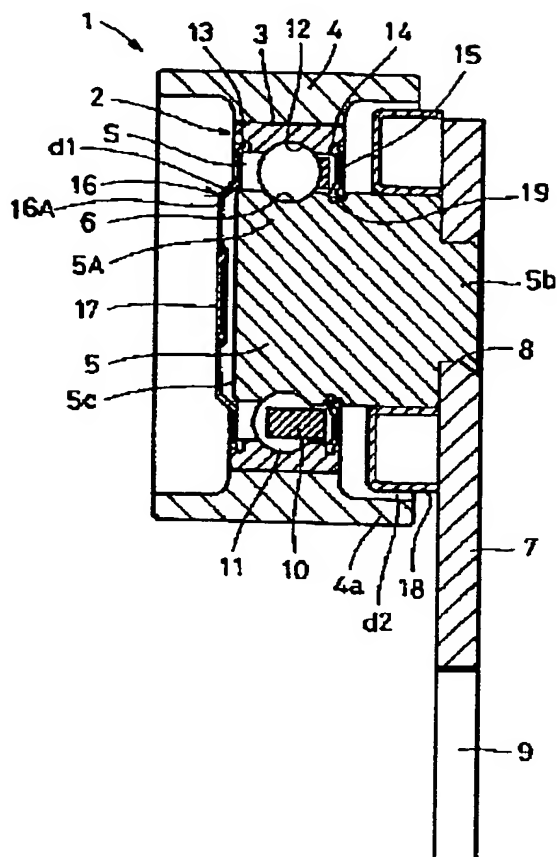
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APPLICANT : NTN CORP;

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TITLE : PULLEY UNIT



ABSTRACT : PROBLEM TO BE SOLVED: To prevent sea-water or the like from entering into a bearing as well as to enable a pulley to be fitted with a cover without necessitating groove machining on it and to obtain splashing prevention effect of sealed grease inside the bearing.

SOLUTION: A pulley 4 is provided on the outer circumference of an outer ring 3 of a roller bearing 2 and a shaft 5 serving also as a bearing inner ring 5A or a shaft fitted with an inner ring is provided. A cover 16 covering the space S between the inner and the outer rings of the bearing 2 and also the end surface of the shaft 5 is provided. The cover 16 is fitted to a groove 13 formed on the the inner diameter surface of the bearing outer ring 3. A cap 17 with minute ventilation holes is provided on the center of the cover 16. A gap d2 between the cover 16 and the inner surface of the pulley 4 on the opposite side of the cover 16 is made minute by providing a ring shaped packing 18 on the base end of the shaft 5.

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